

Amendments to the Specification:

The following paragraphs from the specification are hereby amended:

Please replace paragraph [0014] with the following paragraph:

[0014] An organic semiconductor for use with the above embodiments can be a polymer, a conjugated polymer or an oligomer. In some instances, the semiconductor includes a polyacetylene, a poly(phenylene), a poly(phenylene vinylene), a polyfluorene polyfluorine, a polythiophene or a polycyclopentadithiophene. Additionally, the semiconductor can be a co-polymer with a backbone that includes one or more acetylene units, one or more phenylene units, one or more fluorene fluorine units, one or more thiophene units or one or more cyclopentadithiophene units. Each of the polymers listed in this paragraph can be substituted or unsubstituted. In some instances, the